

ABSTRACT

The invention provides a composition for treatment of a localized bacterial infection and bacterial related disease comprising at least one CSF or fragment or derivative thereof. Also provided is the use of at least one colony stimulating factor (CSF) or fragment or derivative thereof having essentially the biological functionality and activity of the CSF for preparing a medicament for the treatment of a localized bacterial infection and bacterial related disease. The CSF is selected from granulocyte colony-stimulating factor (G-CSF), macrophage colony-stimulating factor (M-CSF), granulocyte-macrophage colony-stimulating factor (GM-CSF), and multi-colony stimulating factor. A method of treatment of a mammal suffering from a localized bacterial infection and bacterial related disease is provided. The localized bacterial infection and bacterial related disease may be a periodontal disease or sinusitis.